ROUTER CONFIGURED FOR OUTPUTTING UPDATE MESSAGES SPECIFYING A DETECTED ATTRIBUTE CHANGE OF A CONNECTED ACTIVE PATH ACCORDING TO A PRESCRIBED ROUTING PROTOCOL

ABSTRACT OF THE DISCLOSURE

A first router is configured for monitoring prescribed attributes of an active path connected to the first router, and supplying an update message to a second router, according to a prescribed routing protocol such as Enhanced Interior Gateway Routing Protocol (EIGRP), that specifies a detected change by the first router in at least one of the prescribed attributes of the connected active path. Hence, the second router, in response to receiving the update message, can update an internal topology table based on the detected change in the active path connected to the first router, and selectively adjust an internal routing table based on the detected change relative to queuing policies for prescribed data flows.

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